

## Software & Computer Systems

We have a deep understanding of the intellectual property legal issues related to computer systems, software and related technical fields, and provide counsel to clients ranging from start-ups to Fortune 500 companies. In computer-related fields, our substantial experience includes hardware and software—operating systems, web-based services, neural networks, messaging systems, databases, encryption, digital signatures, metadata handling and imaging. Stinson attorneys are experienced in conducting patent searches, preparing and prosecuting U.S. and international patent applications, enforcing patents, rendering right-to-use and validity opinions, counseling clients regarding infringement and licensing issues, and conducting due diligence studies.

In addition, our attorneys counsel clients on patent subject matter eligibility, the impact of recent case law, and guidance from patent offices around the world with respect to software and computer-implemented methods. Based on deep understanding in this area, our attorneys routinely counsel on strategies and arguments to establish, question or challenge subject matter eligibility for pending and issued patents.

### CAPABILITIES

- Patent application preparation and prosecution
- Patentability analysis
- Preparing freedom-to-operate, invalidity and non-infringement opinions
- Due diligence analysis
- Patent landscape analysis
- Design-around analysis
- Post-grant proceedings at the USPTO
- Foreign opposition proceedings
- Litigation

### Representative Software & Computer Systems Technologies

- Artificial intelligence

# Software & Computer Systems

- Behavior detection and prediction based on location data
- Machine learning
- Predictive modeling
- Bioinformatics
- Computer-aided design
  - Building information modeling (BIM)
- Control systems
  - Closed-loop feedback control systems
  - Controls for HVAC
  - Distributed control systems
  - Electro-hydraulic control systems
  - Fault communication
  - Industrial automation
  - Smartgrid infrastructure management systems
  - Solar system/panel management systems
- Cybersecurity
  - Encryption methods
  - Internet threat prevention
  - User authentication and security control systems
- Data processing
  - Fuzzy logic
  - Operating systems
- Data transfer
  - Computer communications protocols
  - Media gateways
  - Networking protocols
  - Secure communication networks
  - Video streaming protocols
  - Virtual content publishing systems
  - Wireless networking protocols

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- Electronic commerce
  - Bidding/ordering methods
  - Digital wallets and electronic payment systems
  - Payment processing systems and networks
- Fleet management
  - Vehicle dispatch and tracking software
- Healthcare informatics
  - Electronic health records software
  - Software-based predictive patient health analysis
- Image processing
  - Virtual reality, augmented reality and immersive environments
- Information management
  - Data collection systems
  - File systems
  - Survivable data networks
- Location positioning systems
  - Location tracking methods and systems
  - Mapping and navigation systems
- Meters and testing instruments
  - Fault detection and isolation
  - Quality control systems for laboratory equipment
  - Telecommunications testing software
  - Automated biometric assays
- Medical devices
  - Medical diagnostic algorithms
  - Software as a Medical Device (SaMD)
- Mobile technology
  - Mobile device applications
  - Mobile user interfaces
  - Mobile wireless networking

## Software & Computer Systems

- Mobile-based user gesture and location tracking
- Insurance processing
  - Automated underwriting
  - Insurance claims processing software
- Safety equipment
  - Transportation safety infrastructure
- Signaling and calling systems
  - Asymmetric Digital Subscriber Line (ADSL) transmission systems
  - Call routing architectures
  - Switching software
- Tax and financial management
  - Financial security management methods
  - Personal financial management
  - Tax applications
- Voting machine software

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### RELATED CAPABILITIES

Intellectual Property & Technology

**STINSON**

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# Software & Computer Systems

Patent Preparation & Prosecution

Mechanical

Electrical & Electronics

Chemical & Pharmaceutical

Biotechnology

## NEWS

*St. Louis Small Business Monthly* Selects David S. Kim to Top 100 List

04.03.2024

Stinson's IP Attorneys Examine USPTO Guidance on AI, Patentability and Inventorship in *IPWatchdog* Article

02.23.2024

Robert Bain, David Kim Named to "Best IP Attorneys" by *St. Louis Small Business Monthly*

01.11.2023

Robert Bain Featured in *St. Louis Small Business Monthly's* "Top 100" Edition

04.01.2022

Robert Bain Named to "Best IP Attorneys" by *St. Louis Small Business Monthly*

01.05.2022

Robert Bain, Paul Tietz Named Best IP Attorneys by *St. Louis Small Business Monthly*

01.10.2020

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